





COMMUNITY DEVELOPMENT DEPARTMENT

CITY OF SANTA BARBARA SEA LEVEL RISE ADAPTATION PLAN SUBCOMMITTEE

December 10, 2019





Agenda

- A. Follow-up Discussions:
 - 1. Economic study
 - 2. Recommendations for the low-lying flood areas
- B. General Implementation Recommendations
- c. Summary of Near-Term Actions
- D. Schedule Review and Next Steps





FOLLOW-UP DISCUSSIONS



Summary Results by Impact Type: No Action (\$2018)

IMPACT TYPE	EXISTING CONDITIONS	2060 CONDITIONS	2100 CONDITIONS
Direct Property	\$26.6 M	\$206.9 M	\$816.8 M
Displacement	\$1.1 M	\$0.7 M	\$12.2 M
Business	\$2.4 M	\$57.6 M	\$127.8 M
Infrastructure	\$0.0 M	\$402.7 M	\$444.3 M
Fiscal	\$0.7 M	\$15.2 M	\$24.4 M
Non-Market	\$0.0 M	\$27.0 M	\$34.9 M
TOTAL	\$30.8 M	\$710.2 M	\$1460.3 M

Direct Property Impact Breakdown (%)

DIRECT PROPERTY TYPE	EXISTING CONDITIONS		2060 CONDITIONS		2100 CONDITIONS	
	Tidal + Erosion Impacts	100-Year Storm Impacts	Tidal + Erosion Impacts	100-Year Storm Impacts	Tidal + Erosion Impacts	100-Year Storm Impacts
Public Property	NA	68%	92%	55%	96%	76%
Private Property	NA	32%	8%	45%	4%	24%



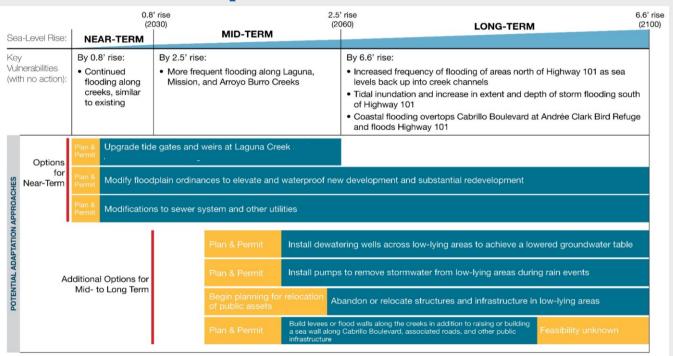
Adaptation Costs by Decade (\$2018)

	PROTECT SCENARIO				PROTECT / RETREAT HYBRID SCENARIO			
DECADE	Capital	Capital / Maintenance	Maintenance	TOTAL COSTS	Capital	Capital / Maintenance	Maintenance	TOTAL COSTS
2020	\$0.0 M	\$0.0 M	\$0.0 M	\$0.0 M	\$1.0 M	\$0.0 M	\$0.1 M	\$1.1 M
2030	\$1955.9 M	\$128.3 M	\$5.8 M	\$2089.9 M	\$67.8 M	\$11.6 M	\$2.3 M	\$81.7 M
2040	\$0.0 M	\$0.0 M	\$7.5 M	\$7.5 M	\$0.0 M	\$0.0 M	\$7.5 M	\$7.5 M
2050	\$0.0 M	\$0.0 M	\$10.7 M	\$10.7 M	\$0.0 M	\$0.0 M	\$10.7 M	\$10.7 M
2060	\$361.3 M	\$107.1 M	\$2321.1 M	\$2789.5 M	\$649.8 M	\$107.1 M	\$227.3 M	\$984.2 M
2070	\$0.0 M	\$0.0 M	\$34.3 M	\$34.3 M	\$0.0 M	\$0.0 M	\$34.3 M	\$34.3 M
2080	\$0.0 M	\$65.8 M	\$426.2 M	\$492.0 M	\$0.0 M	\$65.8 M	\$293.7 M	\$359.4 M
2090	\$0.0 M	\$0.0 M	\$2086.3 M	\$2086.3 M	\$0.0 M	\$0.0 M	\$93.5 M	\$93.5 M
2100	\$119.4 M	\$162.6 M	\$579.0 M	\$860.9 M	\$202.3 M	\$162.6 M	\$445.4 M	\$810.3 M
TOTAL	\$2436.6 M	\$463.7 M	\$5470.9 M	\$8371.2 M	\$920.8 M	\$347.0 M	\$1114.8 M	\$2382.7 M





Flood Area Adaptation Framework







Flood Area Near-Term Actions

{see handout}





Major Infrastructure Near-Term Actions

{see handout}





GENERAL IMPLEMENTATION RECOMMENDATIONS





General Implementation Near-Term Actions

{see handout}





SCHEDULE AND NEXT STEPS





Schedule

- City Council January 14th information meeting: Vulnerability Assessment and process
- Subcommittee Meeting January 28, 2019
- February City Council information meeting on recommendations of Adaptation Plan
- February-April public outreach period and Commission meetings





Schedule

- April/May Subcommittee reconvenes and makes recommendation to City Council
- Late spring/early summer City Council adoption hearing
- Implementation phase





Subcommittee Appointments

 January 7th City Council appointments to subcommittee